

Arizona Department of Transportation

Environmental Planning Group Commonly Used Mitigation Measures

Revision Chart

Revision	Description of Revision	Date Completed
1	<ul style="list-style-type: none">- ADOT Design Responsibility- LPA Responsibility The Arizona Department of Transportation or Local Public Agency project manager will contact the Arizona Department of Transportation Environmental Planning Group (602.712.7767) for the respective planner for the project by 30 (thirty) days prior to bid advertisement to verify that the environmental clearance is still valid.	8/15/2014
1	<ul style="list-style-type: none">- Contractor Responsibility The contractor shall notify his employees prior to pavement stripe <u>any</u> disturbance that <u>where</u> lead is present in the paint below the 0.5 percent US Department of Housing and Urban Development/US Environmental Protection Agency action levels, but above the US Department of Labor Occupational Safety and Health Administration detection level. As part of the notification, the contractor shall make the US Department of Labor Occupational Safety and Health Administration publication number 3142-09R 2003 Lead in Construction (http://www.osha.gov/Publications/osha3142.pdf) available to workers	8/15/2014
1	<ul style="list-style-type: none">- Contractor Responsibility For milling activities, the roadway surface preceding the milling machine shall be kept sufficiently wet so as to prevent the generation of any visible fugitive dust particles, but not so wet as to cause excess runoff from the roadway surface onto the roadway shoulder. Roadway should be kept clean using pick up brooms	8/15/2014
1	<ul style="list-style-type: none">- District Responsibility The project is located within ¼ mile of an _____ (indicate if outstanding Arizona or impaired) water, _____ (name of outstanding Arizona or impaired water) <u>The impairment is _____</u> . Therefore, the District Construction Office will retain a copy of the contractor's Stormwater Pollution Prevention Plan as required by the Statewide Stormwater Discharge Permit	8/15/2014

1	<ul style="list-style-type: none"> - Contractor Responsibility <p>The contractor, upon approval from the Engineer, shall submit the Stormwater Pollution Prevention Plan's, Notice of Intent, and Notice of Termination to the Arizona Department of Environmental Quality.</p>	8/15/2014
1	<ul style="list-style-type: none"> - Contractor Responsibility <p>The project is located within ¼ mile of an _____ (indicate if outstanding Arizona or impaired) water, _____ (name of outstanding Arizona or impaired water). The impairment is _____. The contractor shall be required to provide Analytical monitoring in conformance with the requirements of the Arizona Pollution <u>Pollutant</u> Discharge Elimination System Construction General Permit, with additional measures identified in <i>Arizona Department of Transportation Standard Specifications for Road and Bridge Construction, Section 104.09 (2008 Edition)</i></p>	8/15/2014

General

All Projects

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – ADOT Design – LPA 	<ul style="list-style-type: none"> ▪ The Arizona Department of Transportation or Local Public Agency project manager will contact the Arizona Department of Transportation Environmental Planning Group (602.712.7767) [or the respective planner for the project] 30 (thirty) days prior to bid advertisement to verify that the environmental clearance is still valid. 	Always

Biology

Protected Species

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – ADOT District – LPA (When self administered) 	<ul style="list-style-type: none"> ▪ The Arizona Department of Transportation or Local Public Agency will employ a biologist to complete a pre-construction survey for burrowing owls 96 (ninety-six) hours prior to construction in all suitable habitats that will be disturbed. The biologist shall possess a burrowing owl survey protocol training certificate issued by the Arizona Game and Fish Department. Upon completion of the surveys, the biologist shall contact the Arizona Department of Transportation Environmental Planning Group biologist at (602.712.7649 or 602.712.7767) to provide survey results. 	Burrowing owls identified as a likely species in project area
<ul style="list-style-type: none"> – ADOT District – LPA (when self administered) – Contractor 	<ul style="list-style-type: none"> ▪ If any burrowing owls are located during construction, the contractor shall stop work at that location and notify the Engineer immediately. The Engineer will contact the Arizona Department of Transportation Environmental Planning Group biologist at (602.712.7649 or 602.712.7767) to determine whether the owls can be avoided or must be relocated. If owls must be relocated, the Arizona Department of Transportation or Local Public Agency will employ a biologist holding a permit from the US Fish and Wildlife Service to relocate burrowing owls from the project area, as appropriate. 	Burrowing owls identified as a potential species in project area
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ If any Sonoran Desert tortoises are encountered during construction, the contractor shall adhere to the attached Arizona Game and Fish Department “Guidelines for Handling Sonoran Desert Tortoises Encountered on Development Projects” revised October 23, 2007. 	Sonoran Desert tortoises identified as a potential species in project area

Responsibility	Mitigation Measure	When Used
– Contractor	<ul style="list-style-type: none"> ▪ The contractor shall not cause injury or death to swallows, including eggs and nestlings, and shall avoid work within 100 feet of nesting swallows from February 1 to August 30 of any calendar year. If work will occur within 100 feet of nesting swallows between February 1 and August 30, the contractor shall adhere to the following: <ul style="list-style-type: none"> ▪ The contractor shall completely remove all existing swallow nests within 100 feet of work areas after August 30 but prior to February 1 to prevent swallows from reusing those nests. ▪ The contractor shall implement exclusionary measures to prevent swallows from building new nests within 100 feet of work areas. Exclusionary measures shall be implemented in all areas where swallows are likely to nest, and may include (a) continually removing nesting materials during early nest construction when eggs or nestlings are not present, (b) installing exclusionary netting (wire or plastic mesh 0.75 inch or less in diameter), (c) installing deterrent spike strips, and/or (d) applying an appropriate bird exclusion liquid or gel (per manufacturer's instructions). ▪ The contractor shall not disturb any active swallow nests (completed or partially completed nests that contain eggs or nestlings). If any active nest is discovered within 100 feet of construction activities, work shall stop and the Arizona Department of Transportation Environmental Planning Group biologist shall be contacted (602.712.7649 or 602.712.7767) to evaluate the potential for disturbance of nests. ▪ The contractor shall monitor and maintain the effectiveness of exclusionary measures used. Netting shall be maintained such that it remains in place without any loose areas or openings that could trap and/or entangle birds. Spike strips shall be maintained such that they remain in place. Exclusion liquid or gel shall be reapplied as often as necessary to remain effective (per manufacturer's instructions). ▪ The contractor shall remove all exclusionary measures after project completion to the satisfaction of the Engineer. 	Swallows identified as likely species in project area (active or recently active nests present during survey)

Native Plants

Responsibility	Mitigation Measure	When Used
– Roadside Development (ADOT projects) – LPA	<ul style="list-style-type: none"> ▪ Protected native plants within the project limits will be impacted by this project; therefore, the Arizona Department of Transportation Roadside Development Section or the Local Public Agency will determine if Arizona Department of Agriculture notification is needed. If notification is needed, the Arizona Department of Transportation Roadside Development Section or the Local Public Agency will send the notification at least 60 (sixty) calendar days prior to the start of construction. 	Protected native plants present (non-tribal, non-federal land)

Noxious and Invasive Species

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – ADOT Design – LPA 	<ul style="list-style-type: none"> ▪ All disturbed soils not paved that will not be landscaped or otherwise permanently stabilized by construction will be seeded using species native to the project vicinity. 	Always
<ul style="list-style-type: none"> – Roadside Development (ADOT projects) 	<ul style="list-style-type: none"> ▪ The Arizona Department of Transportation Roadside Development Section will provide special provisions for the control of noxious and invasive plant species during construction that may require treatment and control within the project limits. The Arizona Department of Transportation Roadside Development Section will review and approve or reject the Noxious and Invasive Plant Species Treatment and Control Plan prepared by the contractor and submitted to the Engineer as required in the specifications within 10 (ten) working days of receipt. Once approved the Arizona Department of Transportation Roadside Development Section will return the plan to the Engineer. 	Noxious or invasive species reported to occur in the project area
<ul style="list-style-type: none"> – Contractor (ADOT projects only) 	<ul style="list-style-type: none"> ▪ The contractor shall develop a Noxious and Invasive Plant Species Treatment and Control Plan in accordance with the requirements in the contract documents. Plants to be controlled shall include those listed in the State and Federal Noxious Weed and the State Invasive Species list in accordance with State and Federal Laws and Executive Orders. The plan and associated treatments shall include all areas within the project right of way and easements as shown on the project plans. The treatment and control plan shall be submitted to the Arizona Department of Transportation Roadside Development Section for review and approval prior to implementation by the contractor 	Noxious or invasive species reported to occur in the project area
<ul style="list-style-type: none"> – Contractor (ADOT project only) 	<ul style="list-style-type: none"> ▪ Prior to the start of ground-disturbing activities, the contractor shall arrange for and perform the control of noxious and invasive species in the project area 	Noxious or invasive species reported to occur in the project area
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ To prevent the introduction of invasive species seeds, the contractor shall inspect all earthmoving and hauling equipment at the equipment storage facility and the equipment shall be washed prior to entering the construction site. 	Always
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ To prevent invasive species seeds from leaving the site, the contractor shall inspect all construction equipment and remove all attached plant/vegetation and soil/mud debris prior to leaving the construction site. 	Always
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ All disturbed soils not paved that will not be landscaped or otherwise permanently stabilized by construction shall be seeded using species native to the project vicinity. 	Always

Floodplain

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – ADOT District – LPA 	<ul style="list-style-type: none"> ▪ The (<i>name of county/Local Public Agency</i>) floodplain manager at [xxx.xxx.xxxx] will be provided an opportunity to review and comment on the design plans. 	Designer has not yet sent plans to floodplain manager

Clean Water Act

Section 401/404

Important: A 404 permit must always be accompanied by the appropriate 401 Water Quality Certification always.

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – ADOT Design 	<ul style="list-style-type: none"> ▪ The Arizona Department of Transportation will prepare and submit an application to the US Army Corps of Engineers for a Clean Water Act Section 404 permit for the project. 	Section 404 permit notification or application required for an ADOT project but Corps has not yet issued a permit
<ul style="list-style-type: none"> – LPA 	<ul style="list-style-type: none"> ▪ The Local Public Agency will prepare and submit an application to the US Army Corps of Engineers for a Clean Water Act Section 404 permit for the project. 	Section 404 permit notification or application required for an LPA project but Corps has not yet issued a permit
<ul style="list-style-type: none"> – ADOT District 	<ul style="list-style-type: none"> ▪ Prior to construction, the Engineer will have the contractor review and sign the attached “Checklist for Environmental Compliance.” The Engineer will also sign the Checklist and return it to the Arizona Department of Transportation Environmental Planning Group 7 (seven) calendar days prior to construction. 	Section 404 permit is required
<ul style="list-style-type: none"> – ADOT District – LPA – Contractor 	<ul style="list-style-type: none"> ▪ No work shall occur within jurisdictional Waters of the United States until the appropriate Clean Water Act Section 401 and 404 permits are obtained. The permits are to be issued by [<i>Month, Year</i>] 	Section 404 permit required but Corps has not yet issued a permit

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – Contractor – (only on ADOT projects) 	<ul style="list-style-type: none"> ▪ Prior to construction, the contractor shall review and sign the attached “Checklist for Environmental Compliance.” The Engineer will also sign the Checklist and return it to the Arizona Department of Transportation Environmental Planning Group 7 (seven) calendar days prior to construction. 	Section 404 permit is required
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ The contractor shall comply with all terms and conditions of the attached Section 404 Nationwide Permit [<i>permit number</i>] as established by the US Army Corps of Engineers 	Nationwide Permit used (non-notifying scenario)
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ The contractor shall comply with all terms and conditions of the attached Section 404 Nationwide Permit [<i>permit number</i>] and associated verification letter and impact sheet as established by the US Army Corps of Engineers. 	Nationwide Permit used (Pre-construction Notification submitted to Corps)
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ The contractor shall comply with all terms and conditions of the attached Section 404 Individual Permit as established by the US Army Corps of Engineers. 	Individual Permit used
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ The contractor shall comply with all terms and conditions of the Conditional Section 401 Water Quality Certification certified by the Arizona Department of Environmental Quality. 	Conditional Section 401 Water Quality Certification used
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ The contractor shall comply with all terms and conditions of the Individual Section 401 Water Quality Certification certified by the Arizona Department of Environmental Quality. 	Individual Section 401 Water Quality Certification used
<ul style="list-style-type: none"> – Contactor 	<ul style="list-style-type: none"> ▪ The contractor shall comply with all terms and conditions of the Section 401 Water Quality Certification certified by the (<i>Tribal Entity</i>). 	If the project occurs on Tribal Land: Hopi, Hualapai, Navajo, or White Mountain Apache Tribe
<ul style="list-style-type: none"> – Contactor 	<ul style="list-style-type: none"> ▪ The contractor shall comply with all terms and conditions of the Section 401 Water Quality Certification certified by the U.S. Environmental Protection Agency. 	If the project occurs on Tribal Land not listed above
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ The contractor shall develop a containment plan for debris and construction materials to avoid contamination of [<i>wash, river, creek, or railroad name</i>]. The containment plan shall be approved by the Engineer prior to construction. 	Work will occur over (e.g., bridge) but not in the Waters of the United States or railroad, in lieu of Section 404 permit.

Historic Preservation

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – ADOT District – LPA (when self-administered) – Contractor 	<ul style="list-style-type: none"> ▪ If previously unidentified cultural resources are encountered during activity related to the construction of the project, the contractor shall stop work immediately at that location notify the Engineer and shall take all reasonable steps to secure the preservation of those resources. The Engineer will contact the Arizona Department of Transportation Environmental Planning Group, Historic Preservation Team, (602.712.8636 or 602.712.7767) immediately, and make arrangements for proper treatment of those resources. 	Always
<ul style="list-style-type: none"> – ADOT Design – LPA 	<ul style="list-style-type: none"> ▪ Pursuant to the Programmatic Agreement for Administration of the Transportation Enhancement and Local Government Programs, Stipulation 5(d)(2), the project manager or [<i>Name of Local Public Agency</i>] will provide the Arizona Department of Transportation Environmental Planning Group with copies of Stage II (30%), III (60%), and IV (95%) draft construction plans and related documents for use by the Arizona Department of Transportation and the Federal Highway Administration in continuing Section 106 consultation with the State Historic Preservation Office. 	All local government projects and State or local transportation enhancement projects that have a finding of “no adverse effect”
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ The contractor shall contact the Arizona Department of Transportation Historic Preservation Team (602.712.8636 or 602.712.7767) at least 10 (ten) business days prior to the start of ground-disturbing activities to arrange for a qualified archaeologist to flag avoidance areas. 	Flagging needed
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ The contractor shall avoid all flagged and/or otherwise designated sensitive resource areas within or adjacent to the project area. 	Flagging needed
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ The contractor shall contact the Arizona Department of Transportation Historic Preservation Team (602.712.8636 or 602.712.7767) at least 10 (ten) business days prior to the start of ground-disturbing activities to arrange for qualified personnel to monitor and be present during construction. 	Monitoring needed

Public Communication/ Access/ Traffic control *

Responsibility	Mitigation Measure	When Used
– LPA	<ul style="list-style-type: none"> The _____ (<i>give name of Local Public Agency.</i>) will communicate traffic control measures with the public, local officials, and the media prior to and during construction activities. Communication may include, but is not limited to, media alerts, direct mailings to area businesses and property owners, information on freeway variable message signs, and paid newspaper notices. 	When the project is self administered
– LPA	<ul style="list-style-type: none"> The _____ (<i>give name of Local Public Agency</i>) will provide a construction notice to residents and businesses in the general project area at least 2 (two) weeks prior to construction. 	LPA discretion
– LPA – Contractor	<ul style="list-style-type: none"> The contractor or _____ (<i>give name of Local Public Agency</i>) will contact local emergency services (hospital, fire, police) at least 14 (fourteen) calendar days in advance of _____ (<i>ramp, bridge etc.</i>) closures so that they can arrange for alternate travel routes. 	LPA discretion
– LPA – Contractor	<ul style="list-style-type: none"> With the exception of temporary, short-term closures _____ (<i>list timeframe i.e. 2 – 3 hours</i>) of driveways, the contractor shall maintain driveway access to all businesses and residences throughout construction. If a given property has multiple driveways, at least one will remain open at all times. 	LPA discretion
– ADOT District – LPA – Contractor	<ul style="list-style-type: none"> Access to adjacent businesses and residences will be maintained throughout construction. 	All LPA projects, ADOT or self administered
– LPA – Contractor	<ul style="list-style-type: none"> The contractor after coordination with the Engineer or _____ (<i>give name of Local Public Agency</i>) will notify the public a minimum of 48 (forty eight) hours in advance of any road closures. 	LPA discretion
– Contractor	<ul style="list-style-type: none"> The contractor shall notify the public and business owners of temporary access changes during construction at least 7 (seven) calendar days in advance of the change. 	LPA discretion
– Contractor	<ul style="list-style-type: none"> At least 14 (fourteen) calendar days prior to construction, the contractor shall place advance-warning signs at locations designated by the _____ (<i>District, when bid/administered by ADOT or the name of the Local Public Agency</i>) to notify motorists, pedestrians and bicyclists of construction-related delays. 	LPA discretion

*These mitigation measures are to be use in projects when traffic control issues would result in socio-economic, 4(f), or other environmental impacts, or in case of LPA projects when ADOT traffic control specs are not in use.

Hazardous Materials

Lead-Based Paint

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – ADOT District – LPA 	<ul style="list-style-type: none"> ▪ No _____ (<i>state the activity that will disturb the paint, such as: milling activities, bridge work, pavement marking obliteration, drainage structures removal, etc.</i>) will occur until the Lead-Based Paint Removal and Abatement Plan is approved and implemented. 	Lead-based paint present and paint being removed or disturbed
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ For [<i>pavement striping obliteration, bridge work, guardrail work, etc.</i>]: <ul style="list-style-type: none"> ▪ An approved contractor shall develop and implement a Lead-Based Paint Removal and Abatement Plan for the removal of the lead-based paint, Toxicity Characteristic Leaching Procedure testing of the generated waste stream, and proper disposal of the waste stream derived from the removal of the [<i>state where the lead-based paint is found, such as yellow pavement striping, white pavement striping, paint on bridge rail</i>] within the project limits. A list of approved lead-based paint abatement contractors is attached to the special provisions. The contractor shall follow all applicable federal, state, and local codes and regulations, including <i>Arizona Department of Transportation Standard Specifications for Road and Bridge Construction (2008 Edition)</i>, related to the treatment and handling of lead-based paint. ▪ The contractor shall submit a Lead-Based Paint Removal and Abatement Plan for the removal of [<i>state where the lead-based paint is found, such as yellow pavement striping, white pavement striping, paint on bridge rail, etc</i>] within the project limits to the Engineer and the Arizona Department of Transportation Environmental Planning Group hazardous materials coordinator (602.920.3882 or 602.712.7767) for review and approval at least 10 (ten) working days prior to [<i>state the activity that will disturb the paint, such as: milling activities, bridge work</i>]. ▪ No [<i>state the activity that will disturb the paint, such as pavement marking obliteration, bridge work,</i>] shall occur until the Lead-Based Paint Removal and Abatement Plan is approved by the Arizona Department of Transportation Environmental Planning Group hazardous materials coordinator and implemented. ▪ Visible fugitive dust emissions from paint removal shall be controlled through wet or dry (e.g., vacuum) means during the removal process. If the liquid waste stream generated by a water-blasting obliteration method passes the Toxicity Characteristic Leaching Process analysis, it may be used as a dust palliative or for compaction on the project. If the water is not used on the project, it shall be properly disposed of in accordance with all applicable federal, state, and local regulations. 	Lead-based paint present and paint striping being obliterated or paint being removed from bridge or guardrail

– Contractor	<ul style="list-style-type: none"> ▪ The contractor shall notify his employees prior to any disturbance where lead is present in the paint below the 0.5 percent US Department of Housing and Urban Development/US Environmental Protection Agency action levels, but above the US Department of Labor Occupational Safety and Health Administration detection level. As part of the notification, the contractor shall make the US Department of Labor Occupational Safety and Health Administration publication number 3142-09R 2003 Lead in Construction (http://www.osha.gov/Publications/osha3142.pdf) available to workers 	Lead present at or below 0.5%
– Contractor (LPA only projects)	<ul style="list-style-type: none"> ▪ No pavement marking obliterations shall occur until the existing pavement markings are tested for lead based paint, and if present, a Lead-Based Paint Removal and Abatement Plan is approved by the Arizona Department of Transportation Environmental Planning Group hazardous materials coordinator and implemented. 	Marking obliteration will occur, but no lead - based testing is done prior to bid.
– Contractor	<ul style="list-style-type: none"> ▪ The contractor shall not utilize any abrasive tools or methods for the removal of the cattle guards that would disturb the lead-based paint. This includes, but is not limited to, sawing, grinding, sanding, or heating. Woven straps (not linked chains) may be used to lift the cattle guard grate from the frame. 	Cattle guard or drainage grates that contain lead based paint will be removed.
– Contractor	<ul style="list-style-type: none"> ▪ For milling activities, the roadway surface preceding the milling machine shall be kept sufficiently wet so as to prevent the generation of any visible fugitive dust particles, but not so wet as to cause excess runoff from the roadway surface onto the roadway shoulder. 	All milling projects

NESHAP

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – ADOT District – LPA 	<ul style="list-style-type: none"> ▪ The contractor cannot start work associated with <i>[the structure that will be demolished or renovated or whatever is being done to trigger this notification]</i> until 10 (ten) working days have passed since the submittal of the notification to the regulatory agency [-ies]. ▪ The Engineer , in association with the contractor, will complete the National Emission Standard for Hazardous Air Pollutants documentation and submit it to the Arizona Department of Transportation Environmental Planning Group hazardous materials coordinator (602.920.3882 or 602.712.7767) for review 5 (five) working days prior to being submitted to the regulatory agency [-ies] 	<p>If load-bearing structure to be affected, regardless of whether asbestos is found, (does not include cattle guard)</p>
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ <u>The contractor shall complete a National Emissions Standards for Hazardous Air Pollutants notification for work associated with <i>[the structure that will be demolished or renovated or whatever is being done to trigger this notification]</i> and submit it to the Engineer for review.</u> ▪ After Engineer approval, the notification shall be submitted to the Arizona Department of Transportation Environmental Planning Group hazardous materials coordinator (602.920.3882 or 602.712.7767) for a 5 (five) working-day review and approval. Upon approval by the Arizona Department of Transportation Environmental Planning Group hazardous materials coordinator, the contractor shall file the notification with the Arizona Department of Environmental Quality <i>[and if in Pima County include the following: the Pima County Department of Environmental Quality; if in Pinal County include the following: the Pinal County Air Quality Control District; if in Maricopa County include the following: the Maricopa County Air Quality Department]</i> at least 10 (ten) working days prior to demolition/renovation associated with <i>[the structure that will be demolished or renovated or whatever is being done to trigger this notification]</i> 	<p>If “NESHAP notification required” box is checked on Hazardous Materials Evaluation Analysis Sheet. It is ADOT direction to do NESHAP notifications for modifications on structures regardless of whether asbestos is present.</p>

Asbestos

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – ADOT District – LPA 	<ul style="list-style-type: none"> ▪ No <i>[state the activity that will disturb the asbestos or asbestos-containing material that is being done to trigger this notification]</i> will be allowed to occur until the Asbestos Removal and Disposal Plan is approved by the Arizona Department of Transportation Environmental Planning Group hazardous materials coordinator. 	Asbestos present
<ul style="list-style-type: none"> – ADOT District – LPA 	<ul style="list-style-type: none"> ▪ The project manager will contact the Arizona Department of Transportation Environmental Planning Group hazardous materials coordinator (602.920.3882 or 602.712.7767) 30 (thirty) days prior to bid advertisement to determine the need for additional site assessments and confirm that the asbestos report is still valid. 	All Maricopa County projects with an asbestos report
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ An approved contractor shall develop and implement an Asbestos Removal and Disposal Plan for the removal of the asbestos or asbestos-containing material from the <i>[state the activity that will disturb the asbestos or asbestos-containing material that is being done to trigger this notification]</i>. The plan shall be submitted to the Arizona Department of Transportation Environmental Planning Group hazardous materials coordinator (602.920.3882 or 602.712.7767) and Engineer for review and approval at least 10 (ten) working days prior to implementation. A list of approved asbestos abatement contractors is attached to the special provisions. The contractor shall follow all applicable federal, state, and local codes and regulations, including <i>Arizona Department of Transportation Standard Specifications for Road and Bridge Construction (2008 Edition)</i>, related to the treatment, handling, and disposal of asbestos. 	Asbestos present
<ul style="list-style-type: none"> – Contractor 	<ul style="list-style-type: none"> ▪ No <i>[state the activity that will disturb the asbestos or asbestos-containing material that is being done to trigger this notification]</i> shall occur until the Asbestos Removal and Disposal Plan is approved by the Arizona Department of Transportation Environmental Planning Group hazardous materials coordinator and implemented. 	Asbestos present

Miscellaneous

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – ADOT Design – LPA 	<ul style="list-style-type: none"> ▪ The Arizona Department of Transportation (or Local Public Agency) project manager will contact the Arizona Department of Transportation Environmental Planning Group hazardous materials coordinator (602.920.3882 or 602.712.7767) 30 (thirty) days prior to bid advertisement to determine the need for additional site assessment. 	Always
<ul style="list-style-type: none"> – Contractor (on ADOT administered projects) 	<ul style="list-style-type: none"> ▪ If suspected hazardous materials are encountered during construction, work shall cease at that location and the Engineer will be notified. The Engineer will contact the Arizona Department of Transportation Environmental Planning Group hazardous materials coordinator (602.920.3882 or 602.712.7767) immediately, and make arrangements for assessment, treatment and disposal of those materials. 	Always when working on ADOT administered projects.
<ul style="list-style-type: none"> – Contractor (on LPA administered projects) 	<ul style="list-style-type: none"> ▪ If suspected hazardous materials are encountered during construction, work shall cease at that location and the Engineer will be notified immediately to make arrangements for proper treatment or disposal of those materials 	Always when working on LPA (CA and SA) administered projects.

Noise

Responsibility	Mitigation Measure	When Used
<ul style="list-style-type: none"> – Design 	<ul style="list-style-type: none"> ▪ During final design, the project manager will contact the Arizona Department of Transportation Environmental Planning Group noise coordinator (602.712.8246 or 602.712.7767) to arrange for qualified personnel to review and update the noise analysis. 	Noise an issue

Clean Water Act

Section 402

AZPDES/SWPPP

Responsibility	Mitigation Measure	When Used
– ADOT District	<ul style="list-style-type: none"> The Engineer will review and approve the contractor's Stormwater Pollution Prevention Plan, Notice of Intent, and Notice of Termination prior to submission to the Arizona Department of Environmental Quality. 	Disturbance of 1 acre or more, non-tribal land
– Contractor	<ul style="list-style-type: none"> The contractor shall develop a Stormwater Pollution Prevention Plan, Notice of Intent, and Notice of Termination, and submit it to the Engineer for approval 	Disturbance of 1 acre or more, non-tribal land
– Contractor	<ul style="list-style-type: none"> The contractor, upon approval from the Engineer, shall submit the Stormwater Pollution Prevention Plan's Notice of Intent and Notice of Termination to the Arizona Department of Environmental Quality. 	Disturbance of 1 acre or more, non-tribal land
– ADOT District	<ul style="list-style-type: none"> The project is located within ¼ mile of an _____ (<i>indicate if outstanding Arizona or impaired</i>) water, _____ (<i>name of outstanding Arizona or impaired water</i>). The impairment is _____. Therefore, the District Construction Office will retain a copy of the contractor's Stormwater Pollution Prevention Plan as required by the Statewide Stormwater Discharge Permit 	Outstanding Arizona or impaired water within ¼ mile, non-tribal land
– Contractor	<ul style="list-style-type: none"> The project is located within ¼ mile of an _____ (<i>indicate if outstanding Arizona or impaired</i>) water, _____ (<i>name of outstanding Arizona or impaired water</i>). The impairment is _____. The contractor shall be required to provide Analytical monitoring in conformance with the requirements of the Arizona Pollutant Discharge Elimination System Construction General Permit, with additional measures identified in <i>Arizona Department of Transportation Standard Specifications for Road and Bridge Construction, Section 104.09 (2008 Edition)</i> 	Outstanding Arizona or impaired water within ¼ mile, non-tribal land
– Contractor	<ul style="list-style-type: none"> This project is located within a designated municipal separate storm sewer system. Therefore, the contractor shall send a copy of the Notice of Intent and Notice of Termination to the _____ (<i>municipality/city/county</i>). 	Within designated municipal separate storm sewer system

NPDES/SWPPP

Responsibility	Mitigation Measure	When Used
– ADOT District	▪ The Engineer will review and approve the contractor's Stormwater Pollution Prevention Plan, Notice of Intent, and Notice of Termination prior to submission to the Environmental Protection Agency.	Disturbance of 1 acre or more, the project occurs on tribal land
– ADOT District	▪ Upon approval of the contractor's Stormwater Pollution Prevention Plan, Notice of Intent, and Notice of Termination, the Engineer will submit the Notice of Intent to the Environmental Protection Agency via the electronic system.	Disturbance of 1 acre or more, the project occurs on tribal land
– ADOT District	▪ The Engineer will submit the Notice of Intent and the Notice of Termination to Hualapai Tribe Chairman, Water Resources Program, P.O. Box 179, Peach Springs, Arizona 86434	Disturbance of 1 acre or more, the project occurs on the Hualapai Tribal Land
– Contractor	▪ The contractor shall develop a Stormwater Pollution Prevention Plan, Notice of Intent, and Notice of Termination, and submit it to the Engineer for approval.	Disturbance of 1 acre or more, the project occurs on Tribal Land
– Contractor	▪ Upon approval of the contractor's Stormwater Pollution Prevention Plan, Notice of Intent, and Notice of Termination, the contractor shall submit the Notice of Intent to the Environmental Protection Agency via the electronic system.	Disturbance of 1 acre or more, the project occurs on Tribal Land
– Contractor	▪ The contractor shall submit the Notice of Intent and the Notice of Termination to Hualapai Tribe Chairman Water Resources Program, P.O. Box 179, Peach Springs, Arizona 86434	Disturbance of 1 acre or more, the project occurs on Hualapai Tribal Land

Air

Responsibility	Mitigation Measure	When Used
– Contractor	The contractor shall comply with all local air quality and dust control rules, regulations and ordinances which apply to any work performed pursuant to the contract.	Always

Miscellaneous Avoidance/Partnering

Responsibility	Mitigation Measure	When Used
– ADOT District – LPA	<ul style="list-style-type: none"> ▪ The Engineer will contact the Arizona Department of Transportation (<i>archaeologist, hazardous materials coordinator, biologist, etc.</i>) (team leader phone or 602.712.7767) to schedule the _____(<i>preconstruction meeting or partnering meeting</i>) on a mutually agreeable date to ensure a qualified Environmental Planning Group representative will be available to attend the meeting. 	Only as needed for flagging/monitoring
– Contractor	<ul style="list-style-type: none"> ▪ The contractor shall avoid all flagged and otherwise designated sensitive resource areas within or adjacent to the project area. 	Flagging needed
– Contractor	<ul style="list-style-type: none"> ▪ All project activities, vehicles and construction equipment, within the project area shall be limited to the existing pavement, pullouts and side roads. 	Pavement preservation, pavement marking projects